

## SEQUENCE LISTING

<110> Shi, Yanggu  
Ruben, Steve M.

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<151> 2000-03-06

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<151> 2000-03-06

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<170> PatentIn Ver. 2.1

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Leu	Asp	His	Ile	Met	Lys	Tyr	Lys	Lys	Lys	Cys	Val	Lys	Ala	Gly	Ser	
		165					170					175				
ctg	tgg	gat	ccg	aac	atc	act	gct	tgt	aag	aag	aat	gag	gag	aca	gta	692
Leu	Trp	Asp	Pro	Asn	Ile	Thr	Ala	Cys	Lys	Lys	Asn	Glu	Glu	Thr	Val	
	180					185					190					
gaa	gtg	aac	ttc	aca	acc	act	ccc	ctg	gga	aac	aga	tac	atg	gct	ctt	740
Glu	Val	Asn	Phe	Thr	Thr	Thr	Pro	Leu	Gly	Asn	Arg	Tyr	Met	Ala	Leu	
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atc	caa	cac	agc	act	atc	atc	ggg	ttt	tct	cag	gtg	ttt	gag	cca	cac	788
Ile	Gln	His	Ser	Thr	Ile	Ile	Gly	Phe	Ser	Gln	Val	Phe	Glu	Pro	His	
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Gln	Lys	Lys	Gln	Thr	Arg	Ala	Ser	Val	Val	Ile	Pro	Val	Thr	Gly	Asp	
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agt	gaa	ggg	gct	acg	gtg	cag	ctg	act	cca	tat	ttt	cct	act	tgt	ggc	884
Ser	Glu	Gly	Ala	Thr	Val	Gln	Leu	Thr	Pro	Tyr	Phe	Pro	Thr	Cys	Gly	
		245					250					255				
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Ser	Asp	Cys	Ile	Arg	His	Lys	Gly	Thr	Val	Val	Leu	Cys	Pro	Gln	Thr	
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Gly	Val	Pro	Phe	Pro	Leu	Asp	Asn	Asn	Lys	Ser	Lys	Pro	Gly	Gly	Trp	
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Leu	Pro	Leu	Leu	Leu	Leu	Ser	Leu	Leu	Val	Ala	Thr	Trp	Val	Leu	Val	
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Ala	Gly	Ile	Tyr	Leu	Met	Trp	Arg	His	Glu	Arg	Ile	Lys	Lys	Thr	Ser	
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Phe	Ser	Thr	Thr	Thr	Leu	Leu	Pro	Pro	Ile	Lys	Val	Leu	Val	Val	Tyr	

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 Pro Ser Glu Ile Cys Phe His His Thr Ile Cys Tyr Phe Thr Glu Phe  
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 ctt caa aac cat tgc aga agt gag gtc atc ctt gaa aag tgg cag aaa 1220  
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 Lys Lys Ile Ala Glu Met Gly Pro Val Gln Trp Leu Ala Thr Gln Lys  
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 Arg Val Glu Pro Val Thr Thr Ser Val Ala Thr Gly Asp Tyr Ser Ile

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Arg Pro Ser Gly Gly Lys Trp Thr Phe Ser Tyr Ile Gly Phe Pro Val 115 120 125		
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Asn Met Asn Glu Asp Gly Pro Ser Met Ser Val Asn Phe Thr Ser Pro 145 150 155 160		
Gly Cys Leu Asp His Ile Met Lys Tyr Lys Lys Lys Cys Val Lys Ala 165 170 175		
Gly Ser Leu Trp Asp Pro Asn Ile Thr Ala Cys Lys Lys Asn Glu Glu 180 185 190		
Thr Val Glu Val Asn Phe Thr Thr Thr Pro Leu Gly Asn Arg Tyr Met 195 200 205		
Ala Leu Ile Gln His Ser Thr Ile Ile Gly Phe Ser Gln Val Phe Glu 210 215 220		
Pro His Gln Lys Lys Gln Thr Arg Ala Ser Val Val Ile Pro Val Thr 225 230 235 240		
Gly Asp Ser Glu Gly Ala Thr Val Gln Leu Thr Pro Tyr Phe Pro Thr 245 250 255		
Cys Gly Ser Asp Cys Ile Arg His Lys Gly Thr Val Val Leu Cys Pro 260 265 270		
Gln Thr Gly Val Pro Phe Pro Leu Asp Asn Asn Lys Ser Lys Pro Gly 275 280 285		
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Leu Val Ala Gly Ile Tyr Leu Met Trp Arg His Glu Arg Ile Lys Lys 305 310 315 320		
Thr Ser Phe Ser Thr Thr Thr Leu Leu Pro Pro Ile Lys Val Leu Val 325 330 335		
Val Tyr Pro Ser Glu Ile Cys Phe His His Thr Ile Cys Tyr Phe Thr 340 345 350		
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Gln Lys Lys Lys Ile Ala Glu Met Gly Pro Val Gln Trp Leu Ala Thr 370 375 380		

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Ser Leu Ser Pro Trp Gly Tyr Ser Ile Asn His Asp Pro Ser Arg Ile  
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Pro Phe Thr Met Gln Glu Asp Arg Ser Met Val Ser Val Pro Val Phe  
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Ser Gln Val Pro Val Arg Arg Arg Leu Cys Pro Pro Pro Pro Arg Thr  
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Gly Pro Cys Arg Gln Arg Ala Val Met Glu Thr Ile Ala Val Gly Cys  
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Thr Cys Ile Phe  
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